

1031221902 S-LINE DIVERSION CANAL NEAR STILLWATER, NV—Continued

PERIOD OF RECORD.--June 1991 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: June 1991 to current year.

WATER TEMPERATURE: June 1991 to current year.

INSTRUMENTATION.--Water-quality monitor June 1991 to September 1992, hourly; March 1993 to current year (irrigation season only), hourly.

REMARKS.--Instantaneous specific-conductance and water-temperature measurements during a site visit can be slightly outside the range of values recorded during the same day by the water-quality monitor. This presumably is due to fluctuations in conductance and temperature during the interval between periodic monitor recordings. In April 1994, station was incorporated into the Stillwater Environmental Monitoring Program to gage environmental changes that may occur as a result of change in management of irrigation water of the Newlands Irrigation Project. Records represent water temperature at probe within 0.5°C. Interruptions in record due to intermittent streamflow (see Water-Discharge Record) and instrument malfunction. Reported values are for days with continuous flow.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 1010 microsiemens, cm at 25°C, March 31, 2004; minimum recorded, 171 microsiemens, cm at 25°C, May 13, 2000.

WATER TEMPERATURE: Maximum recorded, 32.5°C, July 2, 2001; minimum recorded, 3.0°C, March 1, 1996.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 684 microsiemens/cm at 25°C, on May 10; minimum, 299 microsiemens/cm at 25°C, August 11.

WATER TEMPERATURE: Maximum, 30.0°C, July 23; minimum, 8.0°C, October 31.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

[illegible]

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
|-------|----------|------|------|-------|------|------|--------|------|------|-----------|------|------|
| | FEBRUARY | | | MARCH | | | APRIL | | | MAY | | |
| 1 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 3 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 4 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 6 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 7 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 22.5 | 17.0 | 19.0 |
| 8 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 20.5 | 16.0 | 18.0 |
| 9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 21.0 | 16.5 | 19.0 |
| 10 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 19.5 | 15.0 | 17.5 |
| 11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 16.0 | 13.5 | 14.5 |
| 12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 15.5 | 12.0 | 13.5 |
| 13 | --- | --- | --- | --- | --- | --- | 18.0 | 13.5 | 15.5 | 17.0 | 13.0 | 15.0 |
| 14 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 19.0 | 15.0 | 16.5 |
| 15 | --- | --- | --- | --- | --- | --- | 14.5 | 11.0 | 12.5 | 20.0 | 17.0 | 18.0 |
| 16 | --- | --- | --- | --- | --- | --- | 15.5 | 10.0 | 12.5 | 20.0 | 16.5 | 18.5 |
| 17 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 21.0 | 17.0 | 18.5 |
| 18 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 20.5 | 17.0 | 18.5 |
| 19 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 21.0 | 16.5 | 18.5 |
| 20 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 21.0 | 17.0 | 18.5 |
| 21 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 21.0 | 17.0 | 18.5 |
| 22 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 21.0 | 17.0 | 18.5 |
| 23 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 20.0 | 16.5 | 17.5 |
| 24 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 20.0 | 16.0 | 17.5 |
| 25 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 20.0 | 15.5 | 17.5 |
| 26 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 20.5 | 16.5 | 18.0 |
| 27 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 21.0 | 18.5 | 19.5 |
| 28 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 20.0 | 17.5 | 18.5 |
| 29 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 21.5 | 16.5 | 18.5 |
| 30 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 20.0 | 15.5 | 17.5 |
| 31 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 22.0 | 18.0 | 19.5 |
| MONTH | --- | --- | --- | --- | --- | --- | 18.0 | 10.0 | 13.5 | 22.5 | 12.0 | 17.8 |
| | JUNE | | | JULY | | | AUGUST | | | SEPTEMBER | | |
| 1 | 23.0 | 18.0 | 20.0 | 27.0 | 20.5 | 23.5 | 27.5 | 23.0 | 25.5 | 25.0 | 20.5 | 22.5 |
| 2 | 24.0 | 19.5 | 21.5 | 26.5 | 22.0 | 24.0 | 27.5 | 23.5 | 26.0 | 23.0 | 19.5 | 21.5 |
| 3 | 24.5 | 20.5 | 22.0 | 27.5 | 23.0 | 25.0 | 26.5 | 22.5 | 24.5 | 19.5 | 17.0 | 18.5 |
| 4 | 25.0 | 19.5 | 22.0 | 28.0 | 22.0 | 25.0 | 27.0 | 22.0 | 24.5 | 21.0 | 16.0 | 18.0 |
| 5 | 26.0 | 21.5 | 23.0 | 28.5 | 23.0 | 26.0 | 27.0 | 22.0 | 24.5 | 21.5 | 17.0 | 19.0 |
| 6 | 25.5 | 21.0 | 22.5 | 29.0 | 24.0 | 26.0 | 26.5 | 22.0 | 24.0 | 23.0 | 17.5 | 20.0 |
| 7 | 24.5 | 20.0 | 22.0 | 28.0 | 23.5 | 25.5 | 25.5 | 22.0 | 24.0 | 23.5 | 18.5 | 21.0 |
| 8 | 22.5 | 18.0 | 20.0 | 27.5 | 23.5 | 25.5 | 26.0 | 22.5 | 24.0 | 24.0 | 20.0 | 22.0 |
| 9 | 19.0 | 17.0 | 17.5 | 28.5 | 23.5 | 26.0 | 26.5 | 22.5 | 24.5 | 24.5 | 20.5 | 22.5 |
| 10 | 19.5 | 16.0 | 17.0 | 27.5 | 22.0 | 24.5 | 27.5 | 24.0 | 25.5 | 25.0 | 20.0 | 22.5 |
| 11 | 21.5 | 16.0 | 18.5 | 28.0 | 21.5 | 24.5 | 28.5 | 24.5 | 26.5 | 24.5 | 19.5 | 22.0 |
| 12 | 22.5 | 17.5 | 19.5 | 28.5 | 23.0 | 25.5 | 28.5 | 24.5 | 26.5 | 23.5 | 20.0 | 22.0 |
| 13 | 23.5 | 18.5 | 20.5 | 29.0 | 23.5 | 26.0 | 26.0 | 24.0 | 25.0 | 23.5 | 18.5 | 21.0 |
| 14 | 24.5 | 21.0 | 22.5 | 28.0 | 24.0 | 26.0 | 27.5 | 22.5 | 25.0 | 21.5 | 17.5 | 19.5 |
| 15 | 23.5 | 20.5 | 22.0 | 28.5 | 23.5 | 26.0 | 25.5 | 22.5 | 24.0 | 21.5 | 16.5 | 18.5 |
| 16 | 23.5 | 19.0 | 21.0 | 28.5 | 24.0 | 26.5 | 25.5 | 21.5 | 23.0 | 21.5 | 17.0 | 19.0 |
| 17 | 24.0 | 20.0 | 22.0 | 29.0 | 25.0 | 26.5 | 27.0 | 22.0 | 24.0 | 21.5 | 18.0 | 19.5 |
| 18 | 25.5 | 19.5 | 22.0 | 27.5 | 23.5 | 25.5 | 27.5 | 22.0 | 24.5 | 19.5 | 17.0 | 18.5 |
| 19 | 27.5 | 21.0 | 23.5 | 27.5 | 23.0 | 25.0 | 27.5 | 22.5 | 24.5 | 18.0 | 15.5 | 16.5 |
| 20 | 27.5 | 21.5 | 24.5 | 28.5 | 24.0 | 26.0 | 27.5 | 22.5 | 24.5 | 16.0 | 14.5 | 15.0 |
| 21 | 26.0 | 21.0 | 23.5 | 29.5 | 23.5 | 26.5 | 28.0 | 22.0 | 24.5 | 15.5 | 13.0 | 14.0 |
| 22 | 27.0 | 21.0 | 23.5 | 29.5 | 24.5 | 27.0 | 24.5 | 21.5 | 23.0 | 16.5 | 13.5 | 14.5 |
| 23 | 27.5 | 22.5 | 24.5 | 30.0 | 25.5 | 27.5 | 24.5 | 19.5 | 22.0 | 15.5 | 14.0 | 14.5 |
| 24 | 27.0 | 21.5 | 24.0 | 29.5 | 25.0 | 27.5 | 25.0 | 20.0 | 22.0 | --- | --- | --- |
| 25 | 27.0 | 21.5 | 24.5 | 29.5 | 25.0 | 27.0 | 24.0 | 20.5 | 22.0 | --- | --- | --- |
| 26 | 28.0 | 22.0 | 24.5 | 29.5 | 24.5 | 27.0 | 22.5 | 19.0 | 20.5 | --- | --- | --- |
| 27 | 27.5 | 22.0 | 24.5 | 28.5 | 24.5 | 27.0 | 21.0 | 18.0 | 20.0 | --- | --- | --- |
| 28 | 26.5 | 22.0 | 24.0 | 28.5 | 25.0 | 27.0 | 21.0 | 19.0 | 20.0 | --- | --- | --- |
| 29 | 25.5 | 22.0 | 23.5 | 28.5 | 25.0 | 27.0 | 22.0 | 19.0 | 20.5 | --- | --- | --- |
| 30 | 25.0 | 20.5 | 23.0 | 27.0 | 24.0 | 25.5 | 22.5 | 19.5 | 21.5 | --- | --- | --- |
| 31 | --- | --- | --- | 27.5 | 23.0 | 25.0 | 23.5 | 20.0 | 22.0 | --- | --- | --- |
| MONTH | 28.0 | 16.0 | 22.1 | 30.0 | 20.5 | 25.9 | 28.5 | 18.0 | 23.6 | 25.0 | 13.0 | 19.2 |
| YEAR | 30.0 | 8.0 | 20.7 | | | | | | | | | |

CARSON RIVER BASIN, CARSON DESERT

1031221902 S-LINE DIVERSION CANAL NEAR STILLWATER, NV—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
|-------|----------|-----|------|----------|-----|------|----------|-----|------|---------|-----|------|
| | OCTOBER | | | NOVEMBER | | | DECEMBER | | | JANUARY | | |
| 1 | 405 | 385 | 396 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | 403 | 374 | 388 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 3 | 395 | 365 | 378 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 4 | 432 | 394 | 413 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5 | 414 | 395 | 404 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 6 | 413 | 386 | 399 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 7 | 406 | 387 | 398 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 8 | 410 | 380 | 394 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 9 | 406 | 386 | 394 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10 | 389 | 372 | 380 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 11 | 380 | 363 | 372 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 12 | 378 | 365 | 371 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 13 | 372 | 361 | 366 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 14 | 363 | 355 | 359 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15 | 364 | 355 | 359 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 16 | 365 | 355 | 360 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 17 | 369 | 350 | 358 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 18 | 386 | 368 | 379 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 19 | 400 | 380 | 391 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 20 | 417 | 398 | 405 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 21 | 418 | 404 | 410 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 22 | 413 | 402 | 408 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 23 | 416 | 403 | 409 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 24 | 425 | 407 | 416 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 25 | 420 | 395 | 404 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 26 | 401 | 382 | 389 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 27 | 388 | 373 | 381 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 28 | 404 | 380 | 389 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 29 | 405 | 388 | 394 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 30 | 398 | 302 | 364 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 31 | 449 | 398 | 418 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MONTH | 449 | 302 | 389 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | FEBRUARY | | | MARCH | | | APRIL | | | MAY | | |
| 1 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 3 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 4 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 6 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 7 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 660 | 634 | 648 |
| 8 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 647 | 598 | 627 |
| 9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 658 | 623 | 637 |
| 10 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 684 | 657 | 672 |
| 11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 675 | 642 | 656 |
| 12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 644 | 615 | 628 |
| 13 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 623 | 577 | 600 |
| 14 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 583 | 534 | 557 |
| 15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 549 | 526 | 540 |
| 16 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 541 | 495 | 521 |
| 17 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 503 | 447 | 472 |
| 18 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 449 | 415 | 432 |
| 19 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 422 | 392 | 404 |
| 20 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 409 | 396 | 402 |
| 21 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 407 | 385 | 396 |
| 22 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 393 | 360 | 372 |
| 23 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 365 | 344 | 351 |
| 24 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 362 | 351 | 356 |
| 25 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 357 | 330 | 339 |
| 26 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 342 | 317 | 324 |
| 27 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 329 | 321 | 325 |
| 28 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 330 | 314 | 321 |
| 29 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 360 | 323 | 334 |
| 30 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 398 | 358 | 380 |
| 31 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 399 | 390 | 394 |
| MONTH | --- | --- | --- | --- | --- | --- | --- | --- | --- | 684 | 314 | 468 |

